

FORM PTO-1449

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use several sheets if necessary)

/Sophia Vlahos/

ATTY. DOCKET NO.
COG-2-0980.02.US

SERIAL NO. 10/707,588

APPLICANT Tesfai et al.

DATE CONSIDERED

08/25/2008

FILING DATE December 23, 2003 GROUP 2611

U.S. PATENT DOCUMENTS						
EXAMINER I	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE I APPROPRIATI
/S.V./	4,121,221	10/1978	Meadows			
0000000	4,599,734	07/1986	Yamamoto			·
0000000	4,639,914	01/1987	Winters			-
00000000	5,274,844	12/1993	Harrison et al.			
000000	5,394,435	02/1995	Weerackody			
***************************************	5,437,055	07/1995	Wheatley, III			
	5,457,808	10/1995	Osawa et al.			
	5,491,723	02/1996	Diepstraten			
	5,493,307	02/1996	Tsujimoto			
	5,507,035	04/1996	Bantz et al.			
	5,570,366	10/1996	Baker et al.			
	5,577,265	11/1996	Wheatley, III			
	5,610,617	03/1997	Gans et al.			
	5,752,173	05/1998	Tsujimoto			
	5,761,193	06/1998	Derango et al.			
	5,761,237	06/1998	Petersen et al.			
-	5,812,531	09/1998	Cheung et al.			
	5,848,105	12/1998	Gardner et al.			
	5,854,611	12/1998	Gans et al.			
000	5,898,679	04/1999	Brederveld et al.			-
	5,912,921	06/1999	Warren et al.			
	5,539,832	07/1999	Weinstein et al.			
***	5,924,020	07/1999	Forssen et al.			
	5,930,248	07/1999	Langlet et al.	1		
$\forall \top$	5,982,327	11/1999	Vook et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/S.V./	6,008,760	12/1999	Shattil			
888	6,037,898	03/2000	Parish et al.			
8000	6,038,272	03/2000	Golden			
	6,044,120	03/2000	Bar-David et al.			-
	6,058,105	05/2000	Hochwald et al.	-		
000000000000000000000000000000000000000	6,091,934	07/2000	Berman et al.			
	6,097,771	08/2000	Foschini			
	6,118,788	09/2000	Kermani			
	6,122,260	09/2000	Liu et al.			
	6,124,824	09/2000	Xu et al.			
	6,141,393	10/2000	Thomas et al.			
	6,141,567	10/2000	Youssefmir et al.			
	6,144,651	11/2000	Rinchiuso et al.			
	6,144,711	11/2000	Raleigh et al.			
	6,147,985	11/2000	Bar-David et al.			
	6,157,340	12/2000	Xu et al.			
	6,157,843	12/2000	Derango et al.			,
	6,177,906	01/2001	Petrus			
	6,185,440	02/2001	Barratt et al.			
	6,195,045	02/2001	Xu et al.			
	6,211,671	04/2001	Shattil			
	6,252,548	06/2001	Jeon			
0000	6,252,884	06/2001	Hunter			
	6,266,528	07/2001	Farzaneh			
	6,295,026	09/2001	Chen et al.			
V^{\dagger}	6,298,092	10/2001	Heath, Jr.			

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/S.V/	6,307,882	10/2001	Marzetta			
0000000	6,317,466	11/2001	Foschini et al.			
***************************************	6,327,310	12/2001	Hochwald et al.			·-
	6,331,837	12/2001	Shattil			
***************************************	6,023,625	02/2002	Myers Jr.			
0000000	6,349,219	02/2002	Hochwald et al.			
	6,351,499	02/2002	Paulraj et al.			
00000000	6,362,781	03/2002	Thomas et al.			
	6,369,758	04/2002	Zhang			
0000000	6,370,182	04/2002	Bierly et al.			
	6,377,631	04/2002	Raleigh			
***************************************	6,377,636	04/2002	Paulraj et al.			
***************************************	6,377,819	04/2002	Gesbert et al.	1		
	6,400,699	06/2002	Airy et al.	Î		
	6,400,780	06/2002	Rashid-Farrokhi et al.			
	6,442,214	08/2002	Boleskei et al.			
	6,462,709	10/2002	Choi			
	6,463,295	10/2002	Yun			
	6,473,467	10/2002	Wallace et al.			
	6,522,898	02/2003	Kohno et al.			
	6,549,786	04/2003	Cheung			
	6,570,929	05/2003	Eriksson			
80000000	6,584,161	06/2003	Hottinen			
2000	6,636,568	10/2003	Kadous	1		
	6,646,600	11/2003	Vail et al.			
V^{\dagger}	6,684,064	01/2004	Kazakevich et al.			

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EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
/S.V/	6,687,492	02/2004	Sugar et al.			
*	6,728,517	04/2004	Sugar et al.			
	6,862,271	03/2005	Medvedev et al.	,		
	6,873,606	03/2005	Agrawal et al.			
	6,873,651	03/2005	Tesfai et al.			
	6,940,917	09/2005	Menon et al.			
	6,956,907	10/2005	Ketchum, John W.			
	2001/0012764	08/2001	Edwards et al.			
	2001/0015994	08/2001	Nam			-
	2001/0046255	11/2001	Shattil			
	2001/0053143	12/2001	Li et al.			
	2002/0001316	01/2002	Hornsby et al.			
	2002/0024975	02/2002	Hendler			
	2002/0034191	03/2002	Shattil			
0000	2002/0039884	04/2002	Raynes et al.			
000000	2002/0064246	05/2002	Kelkar et al.			
-	2002/0067309	06/2002	Baker et al.			
	2002/0072392	06/2002	Awater et al.			
	2002/0085643	07/2002	Kitchener et al.			
	2002/0102950	08/2002	Gore et al.	ĺ		
	2002/0111142	08/2002	Klimovitch			
	2002/0118781	08/2002	Thomas et al.			
	2002/0122383	09/2002	Wu et al.			
000	2002/0122501	09/2002	Awater et al.			
000000	2002/0127978	09/2002	Khatri			
V	2002/0136170	09/2002	Struhsaker			

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PATENT AND TRADEMARK OFFICE	Tesfai et al.	
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XAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING I APPRO	DATE IF PRIATE
/S.V.	2002/0141355	10/2002	Struhsaker et al.				
200000	2002/0147032	10/2002	Yoon et al.				
2000000	2002/0158801	10/2002	Crilly, Jr. et al.				
	2002/0159537	10/2002	Crilly, Jr.				
	2002/0172186	11/2002	Larsson				
000000	2002/0172269	11/2002	Xu				
	2002/0196842	12/2002	Onggosanusi et al.				
	2003/0002450	01/2003	Jalali et al.				
	2003/0022693	01/2003	Gerogiokas et al.				
	2003/0032423	02/2003	Boros et al.				
	2003/0048761	03/2003	Jarett				
	2003/0108117	06/2003	Ketchum et al.				
20000	2003/0114108	06/2003	Frecassetti et al.				
	2003/0125090	07/2003	Zeira				
	2003/0139194	07/2003	Onggosanusi et al.				
	2003/0157954	08/2003	Medvedev et al.				
-	2003/0181165	09/2003	Sugar et al.				
2000000	2004/0072546	04/2004	Sugar et al.				
V	2004/0104839	06/2004	Valazquez et al.				
	_	FOREIGN PATE	NT DOCUMENTS				
EXAMINER						TRANS	SLATION
INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	YES	NO
/S.V./	01/45300	06/2001	WO				
/S.V./	02/03568	01/2002	WO				

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EXAMINER INITIAL		DESCRIPTION (Including Author, Title, Date, Pertinent Pages, Etc.)	
/S.V./	,	"BLAST High-Level Overview", Lucent Technologies, July 18, 2000.	
		"Lucent's 'BLAST' Chips to Take Off in Wireless Market", EETimes.com, October 16, 2002.	
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000000000000000000000000000000000000000		Briesemeister et al., "Role-Based Multicast in Highly Mobile but Sparsely Connect Ad-Hoc Networks"; First Annual Workshop on Mobile Ad Hoc Networking & Computing; pp. 45-50; August 2000.	
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000000000000000000000000000000000000000		Chiu et al., "OFDM Receiver Design", EE225C, Fall 2000, University of California, Berkeley.	
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***************************************		Chuah et al., "Capacity of Multi-Antenna Array Systems in Indoor Wireless Environment", November 1998, IEEE Globecom.	
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/S.V./		*	LAN MAN Standards Committee Of The IEEE Computer Society, "Information Technology – Telecommunications And Information Exchange Between Systems – Local And Metropolitan Area Networks – Specific Requirements – Part 11: Wireless LAN Medium Access Control (MAC) And Physical Layer (PHY) Specifications", ANSI/IEEE Std 802.11, 1999 Edition (R2003), (Reaffirmed 12 June 2003).	
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